

at 50% carried Project No. \_\_\_\_\_  
90 ml at Frederick Book No. \_\_\_\_\_

TITLE

Repeat unit assay QC for vTaq  
lot # EKBT1 done on P 61 4/26  
amplicon lot # 9957 for control

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lot EKBT1 is ~ 401 n/ml based on P 61

### 1. starting dilutions of EKBT1

1:80 (estimate Cf = 5 u/l)

lot EKBT1 5 μl

Total storage buffer 385 μl  
actual is 4.03 u/l

$$V_f = 400 \mu\text{l}$$

1:160 (estimate Cf = 2.5 u/l)

5 μl

795 μl actual is 2.01 u/l

$$V_f = 800 \mu\text{l}$$

### 2. 1/600 dilutions

serial dilution # 1-6 7-12 13-18 19-24 25-30 31-36 37-42 43-48 49-54

I	II	III	IV	V	VI	A-1	A-2	A-3
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1:80 dil.

3	3	3						
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3	3	3						
---	---	---	--	--	--	--	--	--

3	3	3						
---	---	---	--	--	--	--	--	--

Vortex 5 s

1:160 dil

3	3	3						
---	---	---	--	--	--	--	--	--

3	3	3						
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use from 20 and 40 min

Ampliflag 5 u/l

Vortex 5 s

lot # 1

dilution buffer 1797 μl →

$$V_f = 2000 \mu\text{l}$$

dilute I - A-3 as shown for I below:

### 3. Serial dilutions

dilution buffer

dilute I - III and assay

then dilute IV - VI and assay

then dilute A-1 - A-3 and assay

serial dilution #	1	100λ	7300λ
2	100λ	7300λ	
3	100λ	7300λ	
4	100λ	7300λ	
5	100λ	7300λ	
6	1mL of I	7300λ	

SA I - III = 45 μl assay mix + 5 μl dil buffer, do same for IV - VI

spot 4x 5 μl on GFC in one aquasol

Blank is 45 μl assay mix + 5 μl dil buffer → spot on GFC along with other T Pag

Witnessed & Understood by me,

Date

6/95

Invented by

Recorded by

Date

11-15-94

age No. \_\_\_\_\_

# 55-57 = Blush for I-II, IV-VI and A1-A3 respectively

58-61 = SA for I-III

62-65 = SA for IV-VI

## Result:

using amplifast lot #9957 here gives a unit value of ~~320 u/ml~~ 323.4 u/ml compared to 401 u/ml (found on P61, 10-1-94)

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